

Atty. Dkt. No. 027209-0701

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) An electric motor comprising:
 - a rotor; and
 - a stator;
 - wherein the rotor is supported on a substantially spherical bearing and is of a substantially spherical design facing the stator;
 - wherein the stator has a magnetic return-path body made of a compressed powder material; and
 - wherein at least segments of the return-path body facing the rotor are of a substantially spherical design facing the rotor.
2. (Original) The electric motor according to claim 1, wherein:
 - the return-path body is a compact body or comprises compact return-path body elements.
3. (Withdrawn) The electric motor according to claim 1, wherein:
 - the return-path body is composed of a plurality of return-path body elements.
4. (Withdrawn) The electric motor according to claim 3, wherein:
 - adjacent return-path body elements are connected via a plug connection.
5. (Original) The electric motor according to claim 1, wherein:
 - the return-path body comprises a plurality of segments each having a substantially spherical surface facing the stator.

Atty. Dkt. No. 027209-0701

6. (Withdrawn) The electric motor according to claim 5, wherein:
adjacent segments are magnetically separated.
7. (Withdrawn) The electric motor according to claim 5, wherein:
a gap is provided between adjacent segments.
8. (Original) The electric motor according to claim 5, wherein:
segments are connected to one another via a return-path area.
9. (Original) The electric motor according to claim 1, wherein:
the return-path body surrounds the rotor in a ring shape.
10. (Original) The electric motor according to claim 1, wherein:
the powder material comprises iron granules electrically insulated relative to one another.
11. (Original) The electric motor according to claim 1, wherein:
the return-path body has at least one coil receiving portion.
12. (Original) The electric motor according to claim 11, wherein:
the coil receiving portion is provided with an electric insulation and/or an accommodated coil is provided with an electric insulation towards the coil receiving portion.
13. (Original) The electric motor according to claim 11, wherein:
the at least one coil receiving portion is arranged and designed such that accommodated coils do not project beyond a spherical area of the return-path body in the direction of the rotor.

Atty. Dkt. No. 027209-0701

14. (Original) The electric motor according to claim 11, wherein:
an air gap formed between the rotor and a spherical area of the return-path body is free from coils.
15. (Original) The electric motor according to claim 11, wherein:
the return-path body has a plurality of recesses as coil receiving portions or for the formation of coil receiving portions.
16. (Original) The electric motor according to claim 15, wherein:
a recess having an area facing the rotor is set back in relation to the spherical surface of the return-path body.
17. (Original) The electric motor according to claim 11, wherein:
a coil is wound onto a coil receiving portion.
18. (Original) The electric motor according to claim 11, wherein:
a prefabricated coil is positioned on a coil receiving portion.
19. (Withdrawn) The electric motor according to claim 10, wherein:
a coil receiving portion is dimensioned such that the part of the return-path body located in the area of the generated magnetic field of the accommodated coil is considerably smaller than the area of the return-path body transferring the generated magnetic field towards the rotor.

Atty. Dkt. No. 027209-0701

20. (Original) The electric motor according to claim 10, wherein:
a coil receiving portion is dimensioned such that an adequate area of the return-path body is made available in order to transport magnetic flux below the saturation level.
21. (Withdrawn) The electric motor according to claim 10, wherein:
a coil receiving portion is designed such that a coil with a round or approximately round cross section is adapted to be accommodated.
22. (Original) The electric motor according to claim 10, wherein:
the return-path body has a plurality of adjacent recesses as coil receiving portions, said recesses being set back in relation to the spherical surface.
23. (Original) The electric motor according to claim 22, wherein:
the recesses are arranged so as to be distributed uniformly around an inner circumference of the return-path body.
24. (Withdrawn) The electric motor according to claim 22, wherein:
a coil axis of a coil seated in the coil receiving portion lies substantially in circumferential direction of the return-path body.
25. (Original) The electric motor according to claim 22, wherein:
a coil axis of a coil seated in the coil receiving portion is aligned substantially radially.
26. (Withdrawn) The electric motor according to claim 10, wherein:
the at least one coil receiving portion is arranged behind or beneath the spherical surface area of the return-path body facing the rotor.

Atty. Dkt. No. 027209-0701

27. (Withdrawn) The electric motor according to claim 26, wherein:
the return-path body has a connecting area located transversely to an axis of rotation of the rotor and making a transverse magnetic connection available.
28. (Withdrawn) The electric motor according to claim 27, wherein:
the at least one coil receiving portion is formed at the connecting area.
29. (Withdrawn) The electric motor according to claim 1, wherein:
the rotor is a cage rotor.
30. (Original) The electric motor according to claim 1, wherein:
the rotor is adapted to generate a magnetic field.
31. (Original) The electric motor according to claim 30, wherein:
the rotor comprises a plurality of permanent magnets.
32. (Withdrawn) The electric motor according to claim 1, wherein:
the rotor is a hysteresis rotor.
33. (Withdrawn) The electric motor according to claim 1, wherein:
a plurality of coils are arranged on the return-path body as torus-shaped windings.
34. (Withdrawn) The electric motor according to claim 33, wherein:
a winding axis is substantially parallel to a circumferential direction of the return-path body.

Atty. Dkt. No. 027209-0701

35. (Withdrawn) The electric motor according to claim 33, wherein:
the return-path body is formed in one piece.
36. (Withdrawn) The electric motor as defined in claim 33, wherein:
adjacent coils are electrically connected separately.
37. (Original) A circulation pump comprising:
an electric motor, comprising:
a rotor; and
a stator;
wherein the rotor is supported on a spherical bearing and is of a spherical design facing the stator;
wherein the stator has a magnetic return-path body made of a compressed powder material; and
wherein the return-path body is of a spherical design facing the rotor, at least in segments facing the rotor.
38. (Previously Presented) Circulation pump according to claim 37, wherein:
a partition wall is arranged in an air gap between rotor and return-path body.
39. (Original) Circulation pump according to claim 38, wherein:
the air gap is dimensioned such that the rotor is not essentially braked by friction in the area between partition wall and rotor.